

IN THE SPECIFICATION:

Page 11, line 15, before "the voiced", insert --only--.

Page 11, line 16, change "only are" to --need to be--.

Page 14, line 23, change "vales" to --values--.

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IN THE CLAIMS:

Please amend claims 1, 9, 17 and 25-27 as follows:

1. (Amended) An apparatus for converting an input voice signal into an output voice signal according to a reference voice signal, the apparatus comprising:
- extracting means for extracting a plurality of sinusoidal wave components from the input voice signal, including frequencies of the sinusoidal wave components of the input voice signal;
 - memory means for memorizing reference pitch information representative of a pitch of the reference voice signal;
 - modulating means for modulating [a frequency] frequencies of [each] the sinusoidal wave [component] components of the input voice signal according to the reference pitch information retrieved from the memory means; and
 - mixing means for mixing the plurality of the sinusoidal wave components having the modulated frequencies to synthesize the output voice signal having a pitch different from that of the input voice signal and influenced by that of the reference voice signal.

9. (Amended) An apparatus for converting an input voice signal into an output voice signal according to a reference voice signal, the apparatus comprising:

extracting means for extracting a plurality of sinusoidal wave components from the input voice signal, including amplitudes of the sinusoidal wave components of the input voice signal;

memory means for memorizing reference amplitude information representative of amplitudes of sinusoidal wave components contained in the reference voice signal;

modulating means for modulating [an amplitude] amplitudes of [each] the sinusoidal wave [component] components of the input voice signal extracted from the input voice signal according to the reference amplitude information retrieved from the memory means; and

mixing means for mixing the plurality of the sinusoidal wave components having the modulated amplitudes to synthesize the output voice signal having a timbre different from that of the input voice signal and influenced by that of the reference voice signal.

17. (Amended) An apparatus for synthesizing an output voice signal from an input voice signal and a reference voice signal, the apparatus comprising:

an analyzer device that analyzes a plurality of sinusoidal wave components contained in the input voice signal to derive a parameter set of an original frequency and an original amplitude, each pair of the original frequency and the original amplitude representing [each] a corresponding sinusoidal wave component;

a source device that provides reference information characteristic of the reference voice signal, including at least one of reference pitch information and reference amplitude information;

a modulator device that modulates the parameter set of [each] the sinusoidal wave [component] components according to the reference information; and

a regenerator device that operates according to each of the parameter sets as modulated to regenerate each of the sinusoidal wave components so that at least one of the frequency and the amplitude of each sinusoidal wave component as regenerated varies from the original one, and that mixes the regenerated sinusoidal wave components altogether to synthesize the output voice signal.

25. (Amended) A method of converting an input voice signal into an output voice signal according to a reference voice signal, the method comprising the steps of:

extracting a plurality of sinusoidal wave components from the input voice signal, including frequencies of the sinusoidal wave components of the input voice signal;
memorizing reference pitch information representative of a pitch of the reference voice signal;

modulating [a frequency] frequencies of [each] the sinusoidal wave [component] components of the input voice signal according to the memorized reference pitch information;
and

mixing the plurality of the sinusoidal wave components having the modulated frequencies to synthesize the output voice signal having a pitch different from that of the input voice signal and influenced by that of the reference voice signal.

26. (Amended) A method of converting an input voice signal into an output voice signal according to a reference voice signal, the method comprising the steps of:

extracting a plurality of sinusoidal wave components from the input voice signal, including amplitudes of the sinusoidal wave components of the input voice signal;

memorizing reference amplitude information representative of amplitudes of sinusoidal wave components contained in the reference voice signal;

modulating [an amplitude] amplitudes of [each] the sinusoidal wave [component] components of the input voice signal extracted from the input voice signal according to the memorized reference amplitude information; and

mixing the plurality of the sinusoidal wave components having the modulated amplitudes to synthesize the output voice signal having a timbre different from that of the input voice signal and influenced by that of the reference voice signal.

27. (Amended) An apparatus for synthesizing an output voice signal from an input voice signal and a reference voice signal, the apparatus comprising:

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an analyzer device that analyzes a plurality of sinusoidal wave components contained in the input voice signal to derive a parameter set of an original frequency and an original amplitude, each pair of the original frequency and the original amplitude representing [each] a corresponding sinusoidal wave component;

a source device that provides reference information characteristic of the reference voice signal, including at least one of reference pitch information and reference amplitude information;

a modulator device that modulates the parameter set of [each] the sinusoidal wave [component] components according to the reference information; and

a regenerator device that operates according to each of the parameter sets as modulated to regenerate each of the sinusoidal wave components so that at least one of the frequency and the amplitude of each sinusoidal wave component as regenerated varies from the original one, and that mixes the regenerated sinusoidal wave components altogether to synthesize the output voice signal.
